



93-RPB-135

Department of Energy

Richland Field Office

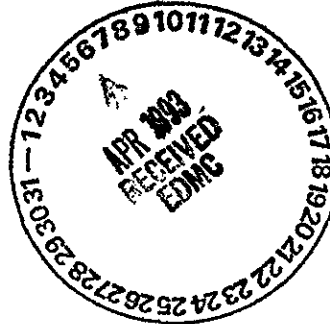
P.O. Box 550

Richland, Washington 99352

MAR 11 1993

0027119 37
Incoming: 9300949

Mr. David B. Jansen, P.E.
Hanford Project Manager
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600



Dear Mr. Jansen:

INFORMATION TO SUPPORT REVIEW OF HANFORD WASTE VITRIFICATION PLANT NONRADIOACTIVE EMISSIONS NOTICE OF CONSTRUCTION

On December 2, 1992, the State of Washington Department of Ecology (Ecology) issued a letter requesting documentation to support its review of the "Notice of Construction for Nonradioactive Air Emissions from the Hanford Waste Vitrification Plant" (DOE/RL-92-66). Ecology requested that the following documentation be transmitted to its offices by December 16, 1992:

- SCREEN model output files
- COMPLEX I model output files
- Completed Ecology notice of construction (NOC) checklist
- Final toxics best available control technology (TBACT) assessment.

This letter formally documents the transmittal of all the requested documentation to Ecology.

Output files from the SCREEN model were provided to Ecology in "Design Calculation for Hanford Waste Vitrification Plant: TAP Emission Estimate," which was mailed to Ecology on November 20, 1992. Ecology has acknowledged receipt of this information.

Summary information on the COMPLEX I model output was provided to Ecology in "Final Hanford Waste Vitrification Plant Technology Demonstration" (the TBACT assessment), which was transmitted to Ecology on November 25, 1992. The actual output files from the COMPLEX I model were sent directly from the modelers (Ebasco Services, Inc.) by Federal Express to your office on December 17, 1992. Copies of the COMPLEX I output files were mailed to individual reviewers within Ecology on December 17, 1992.

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Mr. David B. Jansen, P.E.
93-RPB-135

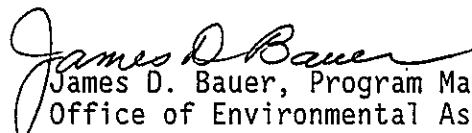
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Essentially all information required in the NOC checklist was submitted to Ecology in various formats prior to December 2, 1992. On December 16, 1992, an informal meeting was held with Ecology to resolve several questions regarding the requested NOC checklist format. Following resolution of format questions at that meeting, a draft NOC checklist was prepared. The draft checklist was faxed to individual reviewers within Ecology on December 22, 1992. A final signed NOC checklist is enclosed with this transmittal.

The final TBACT assessment was mailed to Ecology on November 25, 1992. Receipt of the document has been acknowledged by Ecology.

Should you have any questions regarding this transmittal, please contact me or Mr. S. D. Stites of my staff on (509) 376-8566.

Sincerely,


James D. Bauer, Program Manager
Office of Environmental Assurance,
Permits, and Policy

EAP:SDS

Enclosure:
NOC Checklist

cc w/encl:
D. G. Baide, WHC
A. W. Conklin, DOH
G. W. Jackson, WHC
R. W. Oldham, WHC

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Enclosure
9300949

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NOTICE OF CONSTRUCTION APPLICATION
DECLARING INTENT TO CONSTRUCT
THE HANFORD WASTE VITRIFICATION PLANT

WESTINGHOUSE HANFORD COMPANY CERTIFICATION

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

R.A. Smith by JF Eichen

Robert A. Smith, Manager
Hanford Waste Vitrification Plant Project
Westinghouse Hanford Company

2/15/93

Date

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STATE OF WASHINGTON DEPARTMENT OF ECOLOGY
NOTICE OF CONSTRUCTION APPLICATION
DECLARING INTENT TO CONSTRUCT, INSTALL, OR ESTABLISH
A NEW AIR CONTAMINANT SOURCE
OR

REPLACEMENT OR SUBSTANTIAL ALTERATION OF
EMISSION CONTROL TECHNOLOGY ON AN EXISTING STATIONARY SOURCE

I. General Information

1. Business Name U.S. Department of Energy. Richland Field Office
2. Business Address P.O. Box 550, Richland, Washington 99352
3. Business Phone Number (509) 376-5441
4. Location of Source Hanford Site 200 East Area
5. Nature of Business Vitrification of high-activity radioactive and hazardous liquid Defense Program wastes
6. Construction Starting Date March 1993
7. Construction Completion Date 1997
8. Describe Input to Output Process (Attach drawings, schematics, prints or block diagrams) See "Notice of Construction for Nonradioactive Emissions from the Hanford Waste Vitrification Plant" (DOE/RL-92-66. Rev. 0)
9. General Location (check) Rural ☒ Urban ☐

10. Process

Production Output Per year (tons pounds) 1,930,000 lb/yr

Maximum Output Per Hour (tons pounds) 2,200 lb/hr

Percentage of Production (%)	Dec-Feb	<u>N/A</u>
	Mar-May	<u></u>
	Jun-Aug	<u></u>
	Sep-Nov	<u></u>

Operating Schedule	Hrs/Day	<u>24 hr/d</u>
	Day/ Wk	<u>7 d/wk</u>
	Wk/Year	<u>52 wk/yr</u>

II. Emissions Estimations and Calculations

1. Criteria Pollutants (gr/dscf, tons/yr, lbs/hr, ppm, etc.)

Particulates See DOE/RL-92-66, page xiv

Volatile Organic Compounds _____

Sulfur Oxides _____

Nitrogen Oxides _____

Carbon Monoxide _____

Lead _____

2. Toxic Pollutants (Name) (gr/dscf, tons/yr, lbs/hr, ppm, etc)

See DOE/RL-92-66, page T3-3

3. Fugitive Pollutants (Source) (gr/dscf, tons/yr, pounds/hr, etc)

See DOE/RL-92-66, page 6-1

4. Air Pollution Modelling

Results See DOE/RL-92-66, page 9-1

Computer Printout Attached Printouts are provided separately.

III. Emissions Data

1. Stack Height (feet) See DOE/RL-92-66, page T3-1
 Inside Diameter (feet) _____
 Gas Exit Temp (degrees F) _____
 Gas Exit Velocity (ft/min) _____
 Flow Rate (cfm) _____
 Shared Stack? _____
 Distance From Stack to Property Line _____

2. Discharge Point or Points (if no stack or other than stack)
 Height (feet) See DOE/RL-92-66, page T3-1
 Inside Diameter or Dimensions (feet) _____
 Gas Exit Temp (degrees F) _____
 Gas Exit Velocity (ft/min) _____
 Gas Flow Rate (cfm) _____
 Shared Discharge? _____
 Distance From Stack to Property Line _____

3. Fuel Type See DOE/RL-92-66, page 1-2
 % Sulfur _____
 % Ash _____
 Unit of Measure (gal, cuft, etc) _____
 BTU per Unit of Measure _____
 Consumption Units per Year _____
 Maximum Consumption Units per Hour _____

4. Building Dimensions
 Height (feet) approx 110 feet
 Length (feet) approx 430 feet
 Width (feet) approx 150 feet

Building dimensions are found on Drawings H-2-117426
and H-2-117427.

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IV. Air Pollution Control Equipment (Refer to BACT Instructions)

See DOE/RL-92-66, Chapter 2.0 and page 8-1

Baghouse Type _____
Efficiency _____
Bag Height (feet) _____
Bag Diameter (feet) _____
Filter Area (feet squared) _____
Blower Flow Rate (cfm) _____
Filter Media _____
Dimensions (feet) _____
Discharge Area Dimensions (feet) _____
Cleaning Mechanism (shake) (air psi) _____
Other Data _____

Scrubber Type _____
Efficiency _____
Gas Differential Pressure (psi) _____
Liquor Differential Pressure (psi) _____
Liquor Flow (gpm) _____
Discharge Area Dimensions (feet) _____
Gas Flow (cfm) _____
Other Data _____

Cyclone Type _____
Efficiency _____
Gas Flow (cfm) _____
Discharge Area Dimensions (feet) _____
Other Data _____

Prciptator Type _____
Efficiency _____
Gas flow (cfm) _____
Gas Velocity (ft/sec) _____
Residence Time _____
Gas Differential Pressure (psi) _____
Precipitation Rate (ft/sec) _____
Discharge Area Dimensions (feet) _____
Other Data _____

Ad/absorp Type _____
Efficiency _____
Gas Flow (cfm) _____
Gas Velocity (ft/sec) _____
Gas Temp (degree F) _____
Bed Volume (ft3) _____
Bed Dimensions (feet) _____
Capacity (hours) _____
Contaminant (lb/day) _____
Regeneration Time (hours) _____

Other Type _____
Efficiency _____
Gas Flow (cfm) _____
Discharge Area Dimensions (feet) _____

V. Additional Information

1. Fugitive Dust Control Plan (Attach if Necessary)

Fugitive dust control at the construction site is addressed in several documents. The UCAT Environmental Plan GCC-PL-009 (already sent to Ecology), Section 8.0 Air Emissions, Subsection 8.3, acknowledges that work practices will be implemented to control the generation of fugitive dust during construction. Two UCAT procedures have been developed to address dust control (UCAT-SPP-3.1.1 and UCAT-SPP-3.1.26). These are provided as an attachment to this checklist. Additionally, Fluor Daniel Inc. design requirements for the HWVP site dust control specify that a minimum of five inches of 1.5 minus aggregate be placed over the HWVP site as part of the C-130 Roads and General Site Preparation construction package already provided to Ecology. Aggregate application is complete at this time. [Please see attached sheet for additional info.]

2. Attach Operation and Maintenance Manual of Pollution Control Equipment. Yes___ No X

3. Attach Vendor Information or Manufacturer's Instructions on Pollution Control Equipment. Yes___ No X

4. Attach Related Information on Chemicals or Materials That Will be Emitted (MSDS sheets, Company Information, etc.) Yes ___ No X

5. Name and Title of Individual Filling Out Form

(print) James D. Bauer, Program Manager
Office of Environmental Assurance, Permits, and Policy

(sign)

James D. Bauer
3/16/93

6. Date

7. Name and Title of Contact Person if Different from Above

NOTICE OF CONSTRUCTION
HANFORD WASTE VITRIFICATION PLANT

V. Additional Information (cont'd.)

1. Fugitive Dust Control Plan (cont'd.)

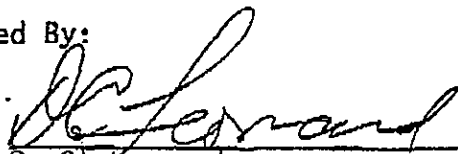
Specific source emissions of fugitive dust will be managed in accordance with agreements reached in the past with Ecology. Aggregate crusher and batch plant operations are not included in the previously referenced plans and procedures. Instead, the operators of these specific activities will submit equipment-specific emission control information as they apply for their construction/operation permits.

UE&C-Catalytic Inc.
Hanford Waste Vitrification Plant Project
STANDARD POLICIES AND PROCEDURES

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 1 of 11
EFFECTIVE: 04/01/92
QUALITY-AFFECTING: ☒ Yes ☐ No

TITLE: BORROW, AGGREGATE AND SPOILS MANAGEMENT PROCEDURE

Prepared By:

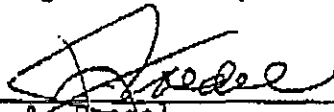

D. C. Leonard
Manager of Construction Operations

2/10/92
Date

APPROVALS:

DA. Burris
D. A. Burris
Manager of Safety and Environmental Health

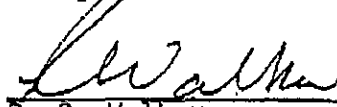
2-10-92
Date


J. A. Roedel
Manager, QA/QC


2/10/92
Date


C. P. Frederick (Acting)
Manager of Business Operations

2/10/92
Date


R. G. Walker
Director of Operations

2-10-92
Date


P. D. Pettit
Project Director

10 Feb 92
Date

☐ CONTROLLED COPY - COPY NO. _____

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UE&C-Catalytic Inc. HW/VP Standard Policies and Procedures	NO.: UCAT-SPP-3.1.1 REVISION: 0 PAGE: 2 of 11 EFFECTIVE: 04/01/92
BORROW, AGGREGATE AND SPOILS MANAGEMENT PROCEDURE	

TABLE OF CONTENTS

	<u>Page</u>
1.0 SCOPE	3
2.0 PURPOSE	3
3.0 RESPONSIBILITIES	3
4.0 GENERAL	4
4.1 Definitions	4
4.2 Attachments	4
4.3 References	4
5.0 PROCEDURE	5
6.0 QUALITY ASSURANCE REQUIREMENTS	7
7.0 RECORDS	7
ATTACHMENTS	8

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UE&C-Catalytic Inc.
HWVP Standard Policies and Procedures

**BORROW, AGGREGATE AND SPOILS MANAGEMENT
PROCEDURE**

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 3 of 11
EFFECTIVE: 04/01/92

1.0 SCOPE

This procedure shall be applicable to all areas used to provide borrow material for earth fill, material for processed aggregates and to deposit excess excavation and spoils from the construction of the Hanford Waste Vitrification Project (HWVP).

2.0 PURPOSE

This procedure shall provide the applicable controls and instructions required for UE&C-Catalytic Inc. (UCAT) to manage and control borrow and aggregate pits under its jurisdiction and to provide its subcontractors with the safety and maintenance requirements established by Westinghouse Hanford Company (WHC), the Landlord for all other borrow and aggregate pits on the Hanford site.

3.0 RESPONSIBILITIES

- 3.1 The Director of Operations has overall responsibility for the implementation and enforcement of this procedure.
- 3.2 The Manager of Engineering Operations has the responsibility to include this procedure in the statement of work for subcontracts which will be required to use borrow, aggregate or spoils areas during their construction activities for the HWVP.
- 3.3 The Manager of Procurement has the responsibility to apply such contractual remedies as are required to assure subcontractor compliance with this procedure.
- 3.4 The Manager of Construction Operations has the responsibility to assure compliance with the requirements of this procedure for UCAT force account construction activities and field supervision for the enforcement of this procedure as set forth in construction subcontracts.
- 3.5 The Manager of Safety and Environmental Health shall have the responsibility to provide field surveillance and consultation to assure compliance with the requirements for safety and environmental protection.
- 3.6 The Manager of Quality Assurance/Quality Control shall be responsible to provide surveillance and inspection to document compliance with specification and contractual requirements.

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UE&C-Catalytic Inc. HWVP Standard Policies and Procedures BORROW, AGGREGATE AND SPOILS MANAGEMENT PROCEDURE	NO.: UCAT-SPP-3.1.1 REVISION: 0 PAGE: 4 of 11 EFFECTIVE: 04/01/92
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4.0 GENERAL

4.1 Definitions

- 4.1.1 Borrow - excavated, unprocessed material used to construct earthworks, embankments or backfill.
- 4.1.2 Processed Aggregates - any material obtained from a borrow or aggregate pit and subjected to any process prior to use including, but not limited to, scalping, screening, washing, crushing, grinding, separation or combining.
- 4.1.3 Excess Excavation - any material obtained during the excavation for the HWVP construction site preparation or building excavation which will not be used in the construction of the HWVP and is to be removed from the construction site.
- 4.1.4 Spoils - any excavated material not suitable for inclusion in the construction of the HWVP and which must be removed from the construction site.
- 4.1.5 Overburden - any unsuitable material removed in a borrow or aggregate pit to expose material suitable for inclusion in the construction of the HWVP.
- 4.1.6 Subcontractor - An independent business organization (the Seller) subcontracted with UCAT (the Buyer) to perform specified HWVP Project services in accordance with the subcontract.

4.2 Attachments

- 4.2.1 SPP-3.1.1-1, Borrow, Aggregate and Spoils Pit Locations and Jurisdiction.
- 4.2.2 SPP-3.1.1-2, Terms and Conditions for Removal of Material from DOE-Hanford gravel pit sites.
- 4.2.3 SPP-3.1.1-3, Borrow, Aggregate and Spoils Pit Location Map

4.3 References

- 4.3.1 30 CFR 56, "Safety and Health Standards Applicable to Surface Metal and Nonmetal Mining and Milling Operations," 1991 Revision.
- 4.3.2 Applicable portions of the DOE Order 5480 series for Safety and Environmental Health.

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UE&C-Catalytic Inc.
HWVP Standard Policies and Procedures

**BORROW, AGGREGATE AND SPOILS MANAGEMENT
PROCEDURE**

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 5 of 11
EFFECTIVE: 04/01/92

- 4.3.3 Applicable contractual specification for the material obtained from borrow and aggregate pits and requirements for disposal of spoils and excess excavation.

5.0 PROCEDURE

The following procedure and requirements shall apply to use of Hanford pits to obtain borrow, aggregates; or disposal of spoils or excess excavation for the HWVP.

- 5.1 Materials obtained from any pit or area on the Hanford site, shall be used exclusively in the construction of DOE projects within the Hanford site, (See Attachments SPP-3.1.1-1 and 3).
- 5.2 A joint walk-down and review of any proposed borrow, aggregate or spoils pit shall be made by representatives of UCAT and the construction subcontractor prior to any agreement for use of the proposed pit. This walk-down shall be for the purpose of noting and recording the existing condition of the pit, establishing the intended uses of the pit or materials obtained from the pit and clarifying the construction subcontractor's contractual responsibilities during and upon completion of use of the pit.
- 5.3 The subcontractor shall be responsible to provide proper access to the pit area or improve any existing access as required, at the subcontractor's expense.
- 5.4 The subcontractor shall be responsible for the installation of utilities required to accomplish the work, or to improve to current standards such utilities as may exist at the pit, such as water and electric power, at the subcontractors expense.
- 5.4.1 The subcontractor shall be responsible to provide adequate water storage capacity to assure continuous operations throughout the work day where available flow rates at the pit will not meet demand.
- 5.4.2 Electric power may not be available at the pit and the subcontractor will be responsible to provide such generators, engines or motive power as required for his equipment and the safe execution of his work, such as lighting.
- 5.4.3 Telephone communication lines will not be made available at the pit.
- 5.5 The subcontractor shall obtain an excavation permit prior to commencing any operations in pits designated for their use.
- 5.5.1 A UCAT excavation permit shall be obtained from UCAT when UCAT has jurisdiction.

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UE&C-Catalytic Inc.
HWVP Standard Policies and Procedures

**BORROW, AGGREGATE AND SPOILS MANAGEMENT
PROCEDURE**

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 6 of 11
EFFECTIVE: 04/01/92

- 5.5.2 A WHC excavation permit shall be obtained through UCAT where WHC is the landlord.
- 5.5.3 The subcontractor shall comply with all requirements set forth as conditions of issuance of an excavation permit.
- 5.6 The subcontractor shall not deposit any rubbish, scrap or waste material from fabrication, erection and office activities in these pits.
- 5.7 In addition to the requirements set forth in regulatory requirements, DOE orders, other contract documents, and Terms and Conditions attached hereto, the following requirements apply:
- 5.7.1 The subcontractor shall provide dust control for all operations related to work in the pit area including the access to the pit.
- 5.7.2 No vehicles or equipment are allowed within 20 feet of the centerline of any underground export water line. The only points at which the export water lines may be crossed is while traversing the Hanford paved roads.
- 5.7.3 All vehicles and equipment traversing Hanford roads are restricted to State of Washington, Department of Transportation HS-20 loading.
- 5.8 The subcontractor shall immediately notify UCAT Manager of Safety and Environmental Health upon uncovering any foreign material, debris, containers, utilities or unusual moisture during removal of material or excavation in the pit.
- 5.9 The subcontractor shall provide a pit layout and operations plan to UCAT for approval prior to commencing mobilization in a pit area. The pit layout and operations plan shall demonstrate good planning, taking into consideration drainage, prevailing winds, stationary equipment locations and resource location.
- 5.10 To the greatest extent possible, the material removal shall proceed in a consistent pattern, avoiding random piles of overburden and random open pit faces.
- 5.11 The subcontractor shall be responsible to provide a report of quantities removed from the pit based on a method of measurement set forth in the pit layout and operations plan. Any method of measurement and reports of quantities will be subject to verification by UCAT.

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HWVP Standard Policies and Procedures

**BORROW, AGGREGATE AND SPOILS MANAGEMENT
PROCEDURE**

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 7 of 11
EFFECTIVE: 04/01/92

5.12 The pit layout and operations plan shall describe the sequence with which the pit operations will be terminated and shall provide that the pit and all adjacent areas affected by the subcontractors operations are left in a presentable condition free of hazards. Reseeding and reclamation of the pit area will not be required.

6.0 QUALITY ASSURANCE REQUIREMENTS

The UCAT Quality Assurance Group will perform periodic surveillance of the requirements of this procedure to document compliance.

7.0 RECORDS

Records of material removed shall be turned over to UCAT as required in the Vendor Drawing and Data Requirements (VDDR) set forth in the subcontract.

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UE&C-Catalytic Inc. HWVP Standard Policies and Procedures BORROW, AGGREGATE AND SPOILS MANAGEMENT PROCEDURE	NO.: UCAT-SPP-3.1.1 REVISION: 0 PAGE: 8 of 11 EFFECTIVE: 04/01/92
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ATTACHMENT SPP-3.1.1-1

BORROW, AGGREGATE AND SPOILS PITS			
Pit No.	Location	Use	Jurisdiction/ Landlord
23	Southwest side of the junction of Route 4N and Route 1, approximately 6 miles north of HWVP	Borrow and aggregate material	WHC
29	Adjacent to west fence of 200 East area between Route 4N and 200 East area south of the railroad	Spoils, excess excavated material and limited borrow	UCAT
30	North of Route 3 and approximately half way between 200 East area and 200 West area	Borrow and aggregate material	WHC

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UE&C-Catalytic Inc.
HWVP Standard Policies and Procedures

**BORROW, AGGREGATE AND SPOILS MANAGEMENT
PROCEDURE**

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 9 of 11
EFFECTIVE: 04/01/92

ATTACHMENT SPP-3.1.1-2

(Page 1 of 2)

**TERMS AND CONDITIONS FOR REMOVAL OF MATERIAL
FROM DOE-HANFORD GRAVEL PIT SITES**

The following terms and conditions shall apply to any subcontractor removing material from Hanford Site gravel pits, unless otherwise directed in writing:

1. All DOE Hanford gravel pit sites from which gravel may be removed are identified by number (posted at each site). A site map is available showing these locations, (Attachment SPP-3.1.1-3). Material overburden or top soil shall not be removed from any other area without written permission from the Buyer.
2. No excavation nor bank cut shall be made within 100 feet of power lines, paved roads, railroads, security fences, or other permanent structures. Blow sand areas must be stabilized with ballast or other means, where the surface has been disturbed and is likely to blow.
3. Processed material excavated at the sites shall be subcontractor's property; however, the material may only be used on the specific project for which this permit is issued. Any residues processed or otherwise remaining at the sites after termination of use, shall become the property of the Government at no cost to the Government. Fill dirt and other material may be granted to be put into some pits upon approval of the Buyer.
4. Access to gravel pit sites and traffic between gravel pits and construction sites, shall be upon those existing roads specified by the Buyer except that the subcontractor may build new roads to expedite such traffic or to shorten the haul if the route of such road is approved in advance in writing by the Buyer.
5. The Seller's employees and those of lower tier subcontractors shall respect all signs, warnings, or barriers placed by DOE on the roads used under this permit.
6. DOE reserves the right to close any roads in times of emergencies or at any time DOE considers the use to be hazardous, and to keep such roads closed as long as DOE considers necessary in the interests of safety.
7. Excavation and processing at the gravel pits shall be performed in a safe and workmanlike manner in accordance with 30 CFR 56, "Safety and Health Standard Applicable to Surface Metal and Nonmetal Mining and Milling Operations," 1991 revision," and upon notice from the Buyer, the subcontractor shall promptly remedy any condition which the Buyer considers to be hazardous to life or property. Following subcontractor removal of material from the pit, the site shall be cleared of debris, temporary structures,

UE&C-Catalytic Inc.
HWVP Standard Policies and Procedures

**BORROW, AGGREGATE AND SPOILS MANAGEMENT
PROCEDURE**

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 10 of 11
EFFECTIVE: 04/01/92

ATTACHMENT SPP-3.1.1-2

(Page 2 of 2)

and equipment which have resulted from his operations and banks sloped no steeper than 1 vertical on 2 horizontal. Any condition the Buyer considers unsightly upon completion of pit operations shall be corrected by the subcontractor at his own expense.

8. Explosives shall not be carried onto the Hanford Site or used in any HWVP construction activities.
9. No trailer or other structures for habitation shall be permitted on the land affected by the subcontract, but this shall not preclude the use of trailers or structures for offices, storage, or repair facilities necessary and common to the gravel removal and processing operation.
10. If the subcontractor is performing a fixed price construction contract, he shall utilize only those pits authorized for use in his construction contract. All costs for the operations and activities conducted under this subcontract shall be considered as incidental and included in the bid prices for the contracted work. DOE and its prime contractors shall be held harmless from any claims resulting from death of or injury to persons or damage to property resulting from the exercise by subcontractors of any rights under this subcontract.
11. Subcontractor's activities in these areas may be terminated by the Buyer for failure to comply with the terms and conditions set forth herein or for abandonment of operations under this Permit.
12. Unless terminated earlier pursuant to the terms and conditions of the subcontract, these operations shall terminate without notice upon completion of construction of the specific project for which the subcontract was issued.
13. WHC has management, landlordship and overview responsibilities for Pits 23 and 30 as set forth in Attachment SPP-3.1.1-1; however, all contact or questions shall be addressed exclusively through UCAT.

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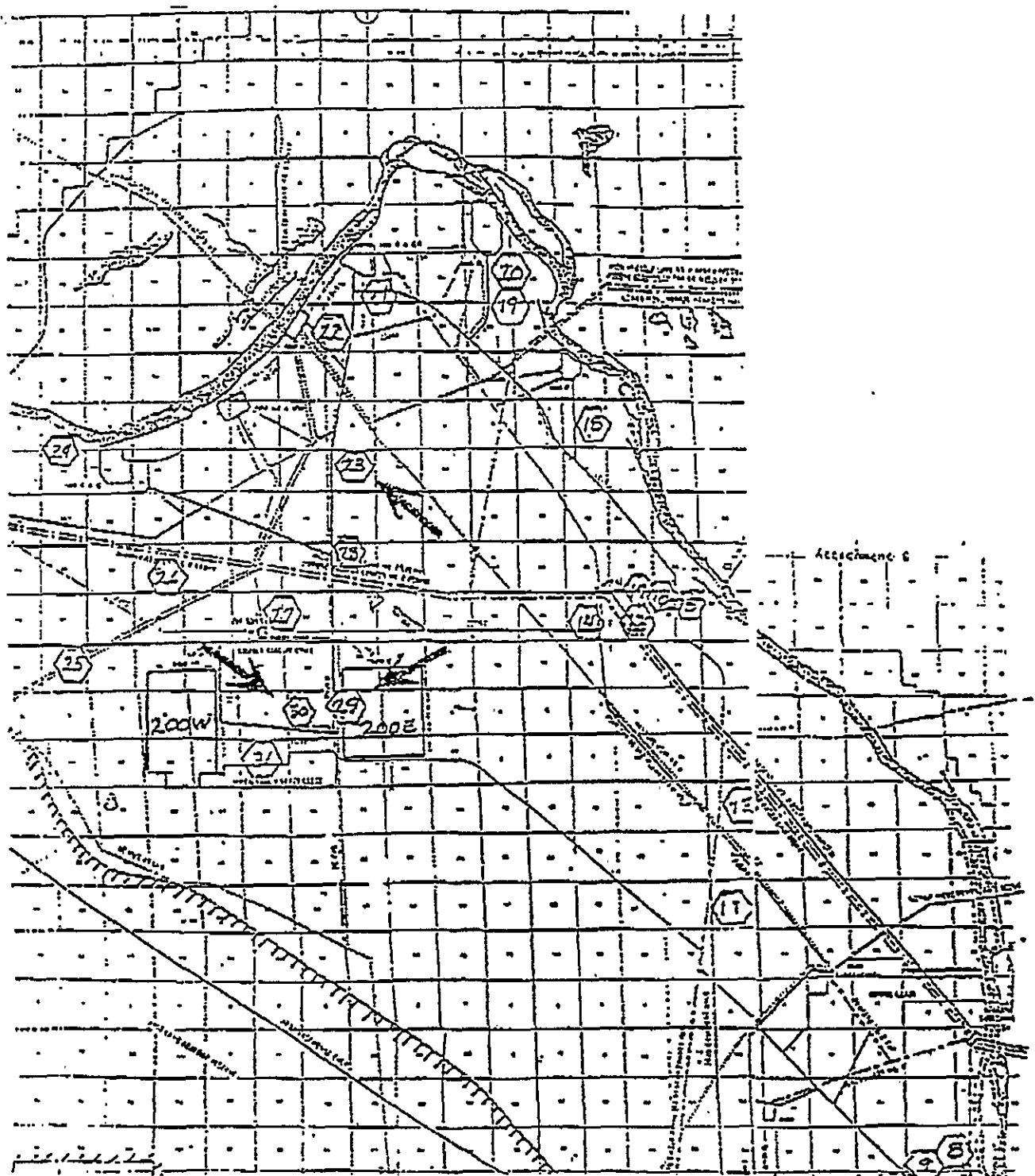
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HWVF Standard Policies and Procedures

**BORROW, AGGREGATE AND SPOILS MANAGEMENT
PROCEDURE**

NO.: UCAT-SPP-3.1.1
REVISION: 0
PAGE: 11 of 11
EFFECTIVE: 04/01/92

ATTACHMENT SPP-3.1.1-3

BORROW, AGGREGATE AND SPOILS PIT LOCATIONS



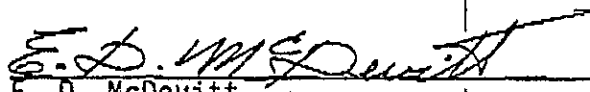
UE&C-Catalytic Inc.
Hanford Waste Vitrification Plant Project

STANDARD POLICIES AND PROCEDURES

NO.: UCAT-SPP-3.1.26
REVISION: 0
PAGE: 1 of 5
EFFECTIVE: 08/19/91
QUALITY-AFFECTING: ☐ Yes ☒ No

TITLE: AREA DUST CONTROL

Prepared By:



E. D. McDevitt
Manager Construction Support Services

8/16/91
Date


APPROVALS:


D. C. Leonard
Manager of Construction Operations

8/16/91
Date


F. D. Pettit
Deputy Project Director

8-16-91
Date


W. J. Taylor
Project Director

8/16/91
Date

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HWVP Standard Policies and Procedures

AREA DUST CONTROL

NO.: UCAT-SPP-3.1.26
REVISION: 0
PAGE: 2 of 5
EFFECTIVE: 08/19/91

TABLE OF CONTENTS

	<u>Page</u>
1.0 SCOPE	3
2.0 PURPOSE	3
3.0 RESPONSIBILITIES	3
4.0 GENERAL	3
4.1 Definitions	3
4.2 References	4
5.0 PROCEDURE	4
5.1 General	4
5.2 Details	4

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UE&C-Catalytic Inc. HWVP Standard Policies and Procedures AREA DUST CONTROL	NO.: UCAT-SPP-3.1.26 REVISION: 0 PAGE: 3 of 5 EFFECTIVE: 08/19/91
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1.0 SCOPE

This procedure is applicable to construction force activities at the Hanford Waste Vittrification Plant (HWVP) Project which results in the emission of dust.

2.0 PURPOSE

To establish methods for minimizing air-quality impacts during construction of the HWVP Project.

3.0 RESPONSIBILITIES

3.1 Manager of Construction Operations

The UE&C-Catalytic Inc. (UCAT) Manager of Construction Operations has responsibility for the implementation of this procedure.

3.2 Construction Managers

The UCAT Construction Managers, through the appropriate construction superintendents and supervisors, are responsible for ensuring that force account and/or subcontractors minimize dust emission during construction work.

3.3 Manager Technical Support

The UCAT Manager Technical Support is responsible for specifying the method of dust control for disturbed areas.

3.4 Manager of Safety and Environmental Health

The UCAT Manager of Safety and Environmental Health is responsible for monitoring dust emissions and to assist the Manager of Construction Operations with the administration, implementation, and surveillance of this procedure.

4.0 GENERAL

4.1 Definitions

4.1.1 Dust - Particles of soil that have become airborne.

4.1.2 Construction Managers - Construction Managers shall mean UCAT Manager Construction Support Services, UCAT Manager Construction Subcontracts, and UCAT Resident Construction Manager.

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UE&C-Catalytic Inc.
HWVP Standard Policies and Procedures

AREA DUST CONTROL

NO.: UCAT-SPP-3.1.26
REVISION: 0
PAGE: 4 of 5
EFFECTIVE: 08/19/91

- 4.1.3 Construction Force - The force account and subcontractor's craft, supervision and management personnel.
- 4.1.4 Force Account - Construction craft hired, supervised and managed by the General Construction Contractor (GCC), UCAT.
- 4.1.5 Subcontractor - An independent business organization subcontracted with UCAT to perform specified HWVP construction services in accordance with the applicable subcontract specifications, drawings, codes and standards.

4.2 References

- 4.2.1 Army Air Force TM 5-830-3, Dust Control for Roads, Airfields, and Adjacent Areas
- 4.2.2 OSHA CFR 29, 1910, Occupational Safety and Health Standards
- 4.2.3 WISHA 296-155 WAC, Safety Standards for Construction Work

5.0 PROCEDURE

5.1 General

- 5.1.1 Safety requirements for the work covered by this procedure shall conform to the Washington Industrial Safety and Health Administration (WISHA) and the Occupational Safety and Health Administration (OSHA).
- 5.1.2 Refer to the Army Air Force Technical Manual (TM-5-830-3) for suggested methods of area dust control.
- 5.1.3 All construction force activities must address area dust control during pre-job planning and job safety review.
- 5.1.4 The organization responsible for generating dust shall be responsible for dust control.
- 5.1.5 Water shall be the area dust control of choice. If other than water is to be used, direction from Manager Technical Support is required.

5.2 Details

- 5.2.1 Water shall be used when appropriate for area dust control.
- 5.2.2 Areas to be cleared to establish the site grading plan shall be covered with stabilization material to keep dust generation to a minimum where appropriate.

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UE&C-Catalytic Inc.
HWVP Standard Policies and Procedures
AREA DUST CONTROL

NO.: UCAT-SPP-3.1.26
REVISION: 0
PAGE: 5 of 5
EFFECTIVE: 08/19/91

- 5.2.3 During construction, frequent watering shall be provided, when appropriate, to roadways and disturbed areas that are not otherwise treated. Sufficient equipment shall be kept at the job site to control dust whenever a nuisance or hazard may occur.

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CORRESPONDENCE DISTRIBUTION COVERSHEET

Author

Addressee

Correspondence No.

J. D. Bauer, RL
(J. M. Ring, WHC)

D. B. Jansen, Ecology

Incoming:9300949
XRef:9350313D

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Subject: INFORMATION TO SUPPORT REVIEW OF HANFORD WASTE VITRIFICATION PLANT
NONRADIOACTIVE EMISSIONS NOTICE OF CONSTRUCTION

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